

IN THE CLAIMS

Please cancel Claims 2-3, 7-8, 11, 17-18, and 20, and amend Claims 1, 6, 9-10, 12-16, 19, and 21-22 as follows:

1. (Currently amended) An optical filtering module comprising:
 - an optical filter for at least one of transmitting, attenuating and reflecting light having a certain wavelength range,
 - a first optical system having an optical fiber for guiding light to be transferred to said optical filter,
 - a second optical system having an optical fiber for guiding light transferred from said optical filter, said second optical system being opposingly arranged to said first optical system while interposing said optical filter therebetween, and
 - an outer cylindrically shaped glass holder for holding therein said optical filter, said first optical system and said second optical system secured thereto,
wherein each of said first and second optical systems comprises a lens optically connecting said optical fiber and said optical filter respectively, said optical filter being secured to one of said lenses of said first and second optical systems,
each of said first and second optical systems comprises an optical fiber holder having a through hole for receiving said optical fiber inserted therein,
each of said first and second optical systems comprises an inner holder for holding said optical fiber holder and said lens, said inner holders being secured to said outer holder with a photo-curing adhesive, and
said optical fiber holder and lens are secured to said inner holder.

2-4. (Cancelled)

5. (Previously presented) The optical filtering module according to claim 1, wherein said inner holder is made of a glass.

6. (Currently amended) An optical multi/demultiplexer comprising:
a wavelength selection filter for selectively transmitting light of a certain wavelength range and reflecting light of other wavelength ranges,

a first optical system having an optical fiber for guiding light to be transferred to said wavelength selection filter and an optical fiber for guiding light to be transferred from said wavelength selection filter,

a second optical system having an optical fiber for guiding light transferred to or from said wavelength selection filter, said second optical system being opposingly arranged to said first optical system while interposing said wavelength selection filter therebetween, and

an outer cylindrically shaped glass holder, said outer holder being adapted to hold therein said wavelength selection filter said first optical system and said second optical system secured thereto,

wherein each of said first and second optical systems comprises a lens optically connecting said optical fiber and said wavelength selection filter respectively, said wavelength selection filter being secured to one of said lenses of said first and second optical systems,

each of said first and second optical systems comprises an optical fiber holder having a through hole for receiving said optical fiber inserted therein,

each of said first and second optical systems comprises an inner holder for holding said optical fiber holder and said lens, said inner holders being secured to said outer holder with a photo-curing adhesive, and

said optical fiber holder and lens are secured to said inner holder.

7-8. (Cancelled)

9. (Currently amended) The optical multi/demultiplexer according to claim 6 [[8]], wherein said optical fiber holder of said first optical system has [[a]] the through hole rectangularly formed for receiving both of said optical fibers for guiding light transferred to and from said wavelength selection filter.

10. (Currently amended) The optical multi/demultiplexer according to claim 6 [[8]], wherein said optical fiber holder is made of a glass.

11. (Cancelled)

12. (Currently amended) The optical multi/demultiplexer according to claim 6 [[11]], wherein said inner holder is made of a glass.

13. (Currently amended) The optical multi/demultiplexer according to claim 6 [[7]], wherein said lenses of said first and second optical systems are graded index lenses having a pitch not less than 0.2 and not larger than 0.25.

14. (Currently amended) An optical signal separating device comprising a plurality of optical multi/demultiplexers, each of said optical multi/demultiplexers comprising:
a wavelength selection filter for selectively transmitting light of a certain wavelength range and reflecting light of other wavelength ranges,

a first optical system having an optical fiber for guiding light to be transferred to said wavelength selection filter ~~and an optical fiber for guiding light to be transferred from said wavelength selection filter,~~

a second optical system having an optical fiber for guiding light transferred to or from said wavelength selection filter, said second optical system being opposingly arranged to said first optical system while interposing said wavelength selection filter therebetween, and

an outer cylindrically shaped glass holder, said outer holder being adapted to hold therein said wavelength selection filter, said first optical system and said second optical system secured thereto,

wherein each of said first and second optical systems comprises a lens optically connecting said optical fiber and said wavelength selection filter respectively, said wavelength selection filter being secured to one of said lenses of said first and second optical systems,

each of said first and second optical systems comprises an optical fiber holder having a through hole for receiving said optical fiber inserted therein,

each of said first and second optical systems comprises an inner holder for holding said optical fiber holder and said lens, said inner holders being secured to said outer holder with a photo-curing adhesive,

said optical fiber holder and lens are secured to said inner holder, and

wherein said plurality of optical multi/demultiplexers are sequentially connected in series so as to connect an optical fiber for guiding light to be transferred from said wavelength selection filter of said first optical system of a preceding sequentially connected optical multi/demultiplexer to an optical fiber for guiding light to be transferred to said wavelength selection filter of said first optical system of a following sequentially connected optical

multi/demultiplexer, to thereby sequentially separate light of a certain bandwidth from an inputted light signal including light of different wavelengths and output said light of said certain bandwidth from said optical fiber of said second optical system.

15. (Currently amended) An optical signal merging device comprising a plurality of optical multi/demultiplexers, each of said optical multi/demultiplexers comprising:

a wavelength selection filter for selectively transmitting light of a certain wavelength range and reflecting light of other wavelengths,

a first optical system having an optical fiber for guiding light to be transferred to said wavelength selection filter ~~and an optical fiber for guiding light to be transferred from said wavelength selection filter,~~

a second optical system having an optical fiber for guiding light transferred to or from said wavelength selection filter, said second optical system being opposingly arranged to said first optical system while interposing said wavelength selection filter therebetween, and

an outer cylindrically shaped glass holder, said outer holder being adapted to hold therein said wavelength selection filter said first optical system and said second optical system secured thereto,

wherein each of said first and second optical systems comprises a lens optically connecting said optical fiber and said wavelength selection filter respectively, said wavelength selection filter being secured to one of said lenses of said first and second optical systems,

each of said first and second optical systems comprises an optical fiber holder having a through hole for receiving said optical fiber inserted therein,

each of said first and second optical systems comprises an inner holder for holding said optical fiber holder and said lens, said inner holders being secured to said outer holder with a photo-curing adhesive,

said optical fiber holder and lens are secured to said inner holder, and

wherein said plurality of optical multi/demultiplexers are sequentially connected in series so as to connect an optical fiber for guiding light to be transferred to said wavelength selection filter of said first optical system of a preceding sequentially connected optical multi/demultiplexer to an optical fiber for guiding light to be transferred from said wavelength selection filter of said first optical system of a following sequentially connected optical multi/demultiplexer, to thereby sequentially merge light of a certain bandwidth inputted from said second optical system and transmitted through said wavelength selection filter.

16. (Currently amended) An optical equalizer comprising:

a first optical system having an optical fiber for guiding light to be equalized,

an equalization filter for equalizing light introduced through an optical fiber of said first optical system,

a second optical system ~~having an optical fiber~~ for guiding light having passed through said equalization filter, said second optical system being opposingly arranged to said first optical system while interposing said equalization filter therebetween, and

~~an outer cylindrically shaped glass holder, said outer holder being adapted to hold for holding therein said wavelength selection equalization filter, said first optical system and said second optical system secured thereto,~~

~~wherein each of said first and second optical systems comprises an inner holder for holding said optical fiber holder and said lens, said inner holders being secured to said outer~~

holder with a photo-curing adhesive a lens optically connecting said optical fiber and said wavelength selection filter respectively, said wavelength selection filter being secured to one of said lenses of said first and second optical systems,

each of said first and second optical systems comprises an optical fiber holder having a through hole for receiving said optical fiber inserted therein,

each of said first and second optical systems comprises an inner holder for holding said optical fiber holder and said lens, said inner holders being secured to said outer holder with a photo-curing adhesive, and

said optical fiber holder and lens are secured to said inner holder.

17-18. (Cancelled)

19. (Currently amended) The optical equalizer according to claim 16 [[18]], wherein said optical fiber holder is made of a glass.

20. (Cancelled)

21. (Previously presented) The optical equalizer according to claim 16, wherein said inner holder is made of a glass.

22. (Currently amended) The optical equalizer according to claim 16 [[17]], wherein said lenses of said first and second optical systems are graded index lenses having a pitch not less than 0.2 and not larger than 0.25.